

AQUATICS VISION

A cleaner, smarter pool

AN INNOVATIVE, 24/7 SMART POOL SYSTEM



12%

of nationwide pool inspections result in
immediate closures.¹

Periodic manual testing and outdated technology
cannot ensure 24/7 compliance, proper
maintenance, and excellent water quality.

1. According to a 2008 CDC study: <https://www.cdc.gov/mmwr/preview/mmwrhtml/mm5919a2.htm>



Nuisance lawsuits

are increasing—how can you prove when a bather was in a pool or spa that filtration, pH, and disinfection were OK?

Even if you are operating up to code, how can you avoid financial risk and downtime?¹

1. Legal negligence can cost hundreds of thousands (even millions) of dollars in cost and penalties per occurrence.

Aquatics Vision program goals



Pool experience

Bathers and staff deserve best pool experiences.

American Pool is the leader to bring this change to client and to the industry.



Health & wellness

We have access to proven cost-effective technologies to:

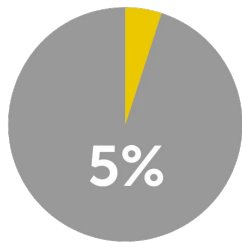
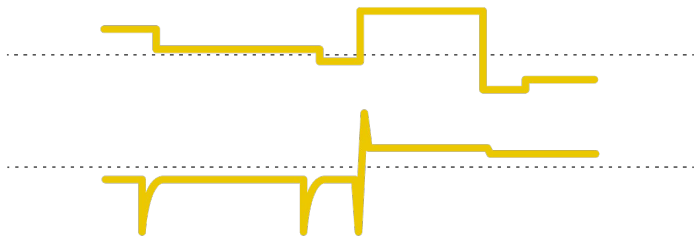
- Improve water
- Improve air
- Increase wellness



Safety & legal risk

We must ensure code compliance and quality in all service operations for bather and team safety and to eradicate avoidable loss and litigation.

3-4 DAY/WK MAINTENANCE



Water quality is only managed 5% of the time, resulting in large swings in chemistry and leaving your patrons exposed to unsafe conditions

TAC
(Chlorine Level)

pH

– VS –

24/7/365 AQUATICS VISION



Water is being constantly monitored and adjusted, ensuring stable chemistry and clean, odorless conditions

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Solution

Proven, reliable, cost-effective **technology**
improving pool quality and **delivering outcomes**
with data available and backed up 24/7

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Features & Benefits



Aquatics Vision highlights



No replacement of equipment needed



Real-time monitoring, reporting, and control



Continuous and autonomous water balance

Key benefits for aquatics facility

Minimize **code or inspection** failures

- Real-time water quality control
- An accurate & complete record of chemistry & compliance
- Pool process automation & safety
- “Like having a 24/7 on-site pool technician”



Key benefits for aquatics facility

Better facilities and experience

- 30% reduction in chloramines for water that doesn't have that "pool smell"
- Remote control of heaters and other equipment
- Balanced water (TAC² range 100-200 mg/l)
- Optional UV kills even giardia/cryptosporidium



1. AFM Activated Filter Media, which reduces filtration from 25 microns to 5 microns without changing equipment
2. TAC Total Alkalinity, the water's ability to remain stable under changing bather load and disinfection demand

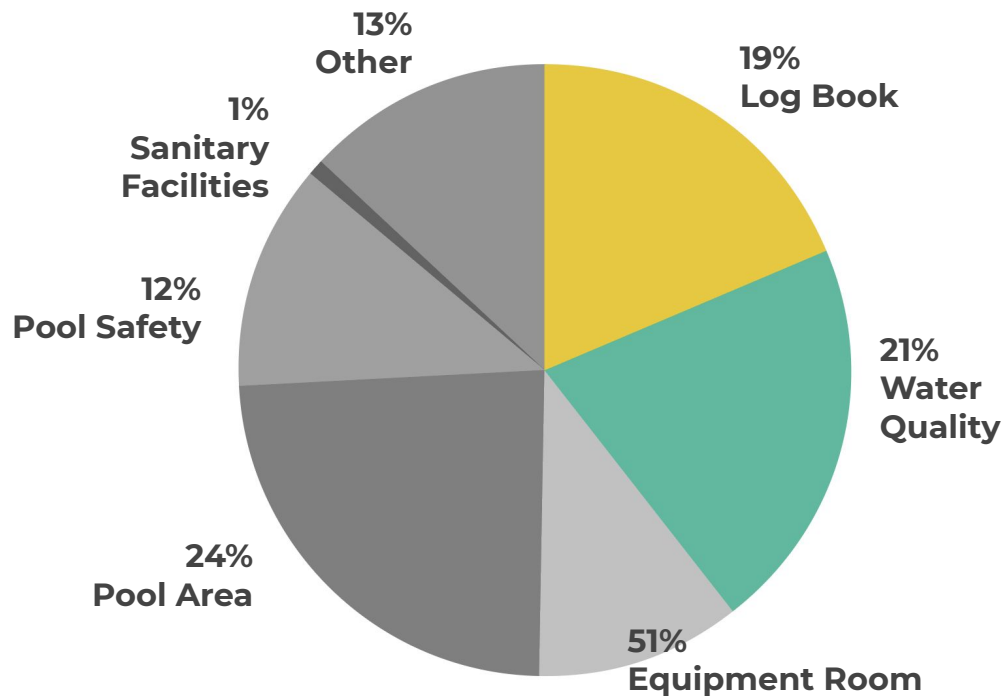
Key benefits for aquatics facility

Financial savings over time

- Lower litigation risk via safer water, with complete data history
- Predictive and proactive service to avoid downtime
- Double the life expectancy of pumps, filters, and heaters and save on overhead



Why pools fail inspection



Aquatics Vision
could prevent 71,658
violations... **up to
40% reduction**

Number of Violations in Florida 2019-2020*

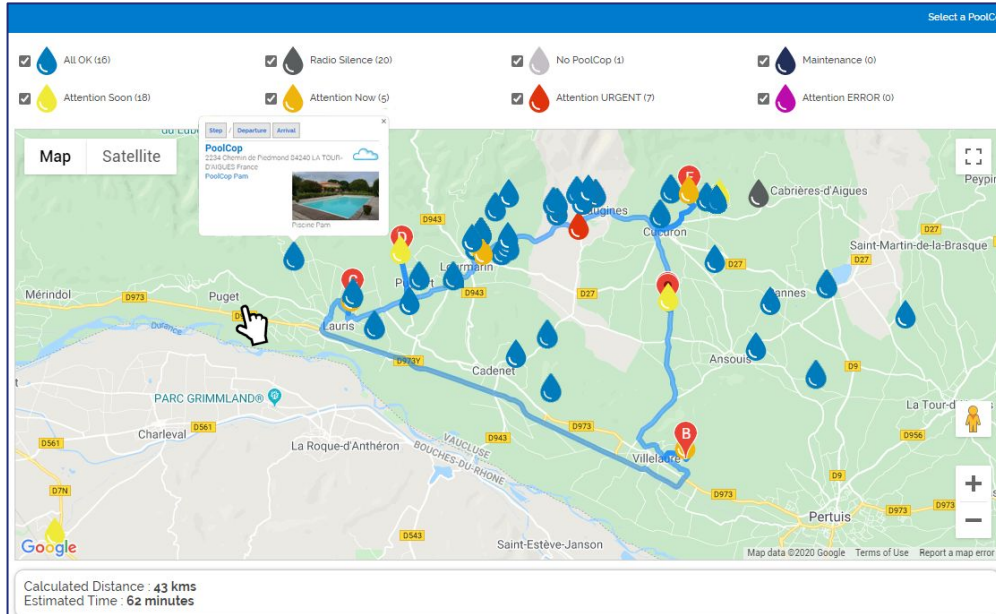
- 42,000 pools
- 104,399 inspections
- 170,475 violations

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Key technologies



Real time monitoring and alerts



- ✓ Visualization
- ✓ Geolocation
- ✓ Alerting, priority
- ✓ Optimization
- ✓ Planning
- ✓ Time

24/7 control & data from all pools



- ✓ Control
- ✓ Command
- ✓ Configuration
- ✓ Auto, manual
- ✓ Powerful
- ✓ Analytics, dynamics

Connected control technologies

Genesis

- Data & control



Certified to
NSF/ANSI Standard 50



ELECTRICAL

Evolution

- Data & control
- Automated filter media cleaning



Data & cloud security

Connecting to the cloud

- Via local ethernet network (LAN)
 - RJ45 cable
 - Powerline adapter or Wi-Fi bridge
- Via Mobile Network
 - 3G/4G standalone router integrated into PoolCop
 - Direct M2M connection from equipment room to Cloud
 - No network requirement, “Plug & Play”
 - Enhanced security (dedicated connection)

Security in the cloud

- Architecture based on OpenID Connect (OIDC) & OAuth
- Multi-factor Authentication (MFA)
- Delegated authentication with your own directory
(ex: Google Account, Microsoft Account, Azure Directory, ...)





Results

Quantifiable water **quality improvement**
with systems automation & monitoring
that can affect your **bottom line**

Questions?

Call us or email via our website

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